

INDIANA DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS MANAGEMENT



MANUAL FOR FREQUENCY OF

SAMPLING AND TESTING

AND

BASIS FOR USE OF MATERIALS

FOR CONTRACTS MANAGED WITH CRA

REVISED JANUARY 2009

MANUAL FOR FREQUENCY OF SAMPLING AND TESTING AND BASIS FOR USE OF MATERIALS

GENERAL

The Department Standard Specifications, Section 106.02, states that the minimum required number of samples and tests will be as set out in the Frequency Manual. This edition of the Frequency Manual was prepared to make the frequency of sampling and testing conform to the requirements of the 23 Code of Federal Regulations (CFR) 637 Subpart B.

The schedules and instructions supersede all those previously issued and are effective upon receipt for all new contracts, and for all uncompleted work on existing contracts, unless there is a conflict with Special Provisions or Specifications.

The Frequency Manual is a tabulation of various items of materials and tests normally used in the construction and maintenance of highways and bridges. The manual specifies the minimum schedule necessary to satisfy the requirements for acceptance samples and tests for each item. The location (i.e. job site, source, mixing plant etc.) from which samples are to be taken or tests conducted is also specified for each item. The Department requires that samples be taken or tests conducted at these specified locations; however, occasional situations may occur that do not permit this procedure. When these occasions occur, the District Testing Engineer is required to determine if an alternate location is desirable. Samples are required to be taken and tests conducted as soon as possible after the material becomes available. Each sample is required to represent no more than the quantities. The frequency of samples or tests applies to quantities shown or fractions thereof.

Many of the items listed allow small quantities of material to be accepted without samples or tests. When this procedure is permitted, the quantities are specified as approximate amounts. An occasional overrun of the minimum quantities is allowed, but generally not more than 10 percent. Intentional or continual overruns of these quantities are not permitted.

The frequencies herein are the minimum required. The contract administrators always have the right and responsibility to have a questionable product re-tested.

COLUMN FORMAT EXPLANATION

Specification Reference

The Department Standard Specification references are provided as a convenience for research of additional material requirements.

Item

The current edition of the Department Standard Specifications will govern over any material listed in this manual. All items listed in the current edition of the Standard Specifications which require acceptance samples and tests are listed in this manual. Items either added to or deleted from the previous manual reflect changes in the Standard Specifications. Instructions in parentheses provide additional information or explanation.

Job Control Location, Job Control Notes, and Job Control Frequency

The Job Control Location, Job Control Notes, and Job Control Frequency address the location and frequency for all sampling and testing for approval for incorporation of materials into the contract. Sampling and testing is conducted by Qualified Technicians; however, out-of-state consulting firms and other State DOT's also conduct sampling duties for the Department. The person or persons responsible for acceptance samples and tests is not specified in this manual. Any material received at the job-site that has not been approved is required to be sampled, tested, and approved prior to use. Questionable materials that have been approved should be re-sampled and tested for verification. Also, material accepted by visual inspection is required to be checked upon installation into the contract.

PE/PS Basis for Approval

The Basis for Approval column is included in this manual to clarify the responsibility of the PE/PS for the acceptance and incorporation of materials into the contract. Terms used in this column are explained as follows:

- A. Minimum Quantity Options -- These materials may be accepted for use by one of the following methods:
 - 1. Visual examination, dimensional check (where applicable), and a knowledge of past performances -- This type of approval is given by the PE/PS on the basis of his own knowledge of the source of material or advice by other Department personnel. Sources will be considered acceptable provided they supply materials of the required quality.
 - 2. Approval on the basis of certification -- For approval by certification, no test sample is taken. The material is accepted either by the Type C or D Certification, or by an affidavit from the Supplier stating that the material is equal to that specified.

3. Random sampling -- This is a sample taken at random intervals for various purposes of confirmation.
- B. Approval Number -- A letter followed by a six-digit number that indicates the material has been tested, and at a given period in time was approved for use.
- C. Verbally Approved Lot or Batch Number -- For materials that are pre-tested and stocked by material sources, the PE/PS is required to call District Testing and report the contract number, material, lot or batch number, and quantity delivered. If the material has been pre-tested and approved, verbal approval will be issued for immediate use of the material. If a laboratory report containing a twelve-digit laboratory number is not received by the PE/PS within 14 days, the PE/PS is required to call District Testing and request a copy.
- D. Sequence Number -- A laboratory testing report twelve-digit sequence number which will govern over all other basis of approval. If a laboratory report containing a twelve-digit laboratory number is not received by the PE/PS within 14 days, the PE/PS is required to call District Testing and request a copy.
- E. Type A, B, C, D, or Other Certifications -- When required, the PE/PS is required to have these documents before the material may be incorporated into the contract. The certifications are required to be in accordance with the Standard Specifications, Section 916.

Material Record Basis For Use

The Material Record Basis For Use provides the PE/PS with the requirements necessary to complete the Basis For Use (BFU) on the monthly material record, Form IT-611. Also, information is provided in parentheses concerning test results that are not reported directly onto the material record. Terms used for BFU are explained as follows:

- A. BFU Number for Minimum Quantity Options -- The material will be accepted by one of the following methods:
 1. If BFU is Visual -- use C 999995
 2. If BFU is Type C Certification -- use C 999993
 3. If BFU is Type D Certification -- use C 999998
 4. If a Sequence Number is provided, use this number in place of the above options 1, 2, or 3

- B. BFU Number for Certification -- The material will be accepted by one of the following methods:
 - 1. If BFU is Type A Certification -- use C 999991
 - 2. If BFU is Type B Certification -- use C 999992
 - 3. If BFU is Type C Certification -- use C 999993
 - 4. If BFU is Type D Certification -- use C 999998
 - 5. If BFU is Other Type Certification -- use C 999994
- C. For BFU Number for Visual Acceptance -- use C 999995.
- D. For BFU for other types of approval (stamps etc.) -- use C 999996.
- E. For BFU for QC/QA HMA when there is an incomplete lot at the time of the estimate -- use C 999997.
- D. For Approval Number -- use the letter and six-digit number.
- E. For Sequence Number -- use the twelve-digit laboratory number from the laboratory report. The twelve-digit laboratory number will govern over all other BFU numbers.

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<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
1	01 of 02	902.01a	ASPHALT MATERIALS	HMA PLANT	PAVING GRADES. Material in storage for more than 60 days without testing must be sampled, tested and approved prior to use.	Approved List(s) component(s). Two 1 qt (1 L) samples per subplot (one subplot equals a 24 hour period). A lot is 1-7 sublots per calendar week (Sun.-Sat.).	Approved Supplier Certification (ASC).	N/A.
1	02 of 02	902.01b-e	ASPHALT MATERIALS	POINT OF DELIVERY	NON-PAVING GRADES.	Visual. Material is required to be sampled and tested by supplier prior to use after 14 days	Type A Cert.	C 999991
2	01 of 07	401.05	QC/QA-HMA	JOBSITE	Schedule to apply to each type of mixture.	Approved List(s) component(s). One Binder Content, Bulk SP GR, Max SP GR for each subplot of base, intermediate or surface mixture.	Test Results.	Sequence Number.
2	02 of 07	410.05	SMA	JOBSITE	Schedule to apply to surface course only.	Approved List(s) component(s). One Binder Content, and Gradation for each subplot.	Test Results.	Sequence Number.
2	03 of 07	401.05	QC/QA-HMA	PLANT	Schedule to apply to each type of mixture.	Approved List(s) component(s). DOLOMITE: one sample per 1000 T (1000 Mg) of dolomite with a minimum of one sample per contract per source for contracts with less than 2000 T (2000 Mg) of dolomite.	Test Results.	Sequence Number.
2	04 of 07	402.07	HMA	JOBSITE or MIXING PLANT	Schedule to apply to each type of mixture.	Approved List(s) component(s). DOLOMITE: one sample per 1000 T (1000 Mg) of dolomite with a minimum of one sample per contract per source for contracts with less than 2000 T (2000 Mg) of dolomite.	Type D Cert.	C999998.
2	05 of 07	403.05	CMA	MIXING PLANT	Schedule to apply to each type of mixture.	Approved List(s) component(s). No sampling required.	Type D Cert.	C999998.

<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
2	06 of 07	403.05	CMA	JOBSITE or MIXING PLANT	Schedule to apply to each type of mixture.	Approved List(s) component(s). DOLOMITE: one sample per 1000 T (1000 Mg) of dolomite with a minimum of one sample per contract per source.	Test Results.	Sequence Number.
2	07 of 07	403.05	COLD PATCHING MIX	N/A.	N/A.	Approved List(s) component(s).	Type A Cert.	C999991.
3	01 of 02	401.16	QC/QA-HMA (DENSITY-MAINLINE)	JOBSITE	For each type of mixture.	Two cores required for each subplot of mainline mixture.	Test Results.	Sequence Number.
3	02 of 02	401.16	QC/QA-HMA (DENSITY-SHOULDERS)	JOBSITE	For each type of mixture except for the first 385 lb/sys (210 kg/sm) over existing shoulders.	Two cores required for each subplot of shoulder mixture.	Test Results.	Sequence Number.
4	01 of 03	915.01 or 915.02 or 910.21	STEEL PILES	JOBSITE	UNCOATED STEEL H PILES, STEEL ENCASED CONCRETE PILES AND STEEL SHEET PILES.	Visually check for dimensions and workmanship.	Mill Cert.	C999991.
4	02 of 03	915.01 or 915.02 or 910.21	STEEL PILES	JOBSITE	EPOXY COATED STEEL H PILES, STEEL ENCASED CONCRETE PILES AND STEEL SHEET PILES.	Approved List(s) component(s). Visually check for dimensions and workmanship.	Mill Cert., Certificate of Compliance by Applicator and Type C Cert.	C999991 (Mill Cert. and Type C Cert. must be attached).
4	03 of 03	701.11	H-PILE SPLICER COMMERCIAL	JOBSITE	UNCOATED STEEL H PILE SPLICERS.	Visually check for dimensions and workmanship.	Mill Cert.	C999991.
5	01 of 02	911.01e	WOODEN PILES (TEMPORARY)	ANY LOCATION PRIOR TO USE	UNTREATED.	Each piece to be inspected for species, straightness and quality.	Visual.	C999995.

<i>REF</i>	<i>SUB- REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
5	02 of 02	911.02c	WOODEN PILES (PERMANENT)	TREATMENT PLANT	TREATED.	Visually inspect each piece after treatment and perform assay tests. (Testing by OMM unless approved otherwise).	Stamped on End and test results.	Sequence Number.
6	01 of 01	915.04	ELASTOMERIC BEARING PADS (BR)	ANY LOCATION PRIOR TO USE	Allow 30 days for testing.	One sample (one pad) of each type, for each lot. When shapes A and B of any type are required, only shape A shall be furnished for testing.	Sequence Number and Type B Cert.	Sequence Number.
7	01 of 03	906.07a	EXPANSION JOINTS	JOBSITE	Type SS.	Visually inspect for dimensions and workmanship.	Type B Cert. for Elastomer and Type C Cert. for Str. Steel and Sealant.	C999992.
7	02 of 03	906.07b	EXPANSION JOINTS	JOBSITE, SOURCE or DISTRIBUTOR	PREFORMED ELASTOMERIC JOINT SEAL. TYPE BS, I-A AND D-1.	One 6 ft (2 m) sample containing the lot or batch number for each 3000 ft (1000 m) for each date of manufacture.	Test Results. Type A Cert. for Joint Material and Type C Cert. for Adhesive.	Sequence Number.
7	03 of 03	906.07c	EXPANSION JOINTS	JOBSITE	TYPE M.	Visually check for dimensions and workmanship.	Type B Cert. for Elastomer and Type C Cert. for Str. Steel and Sealant.	C999992.
8	01 of 01	904	AGGREGATES	CAPP SOURCE	USED IN CONCRETE PLANTS.	Approved List(s).	CAPP D Number.	CAPP D Number.
9	01 of 02	901.01	CEMENT	BATCH PLANT	One 12 lb (6 kg) random verification sample required as directed.	Approved List(s).	Other Type Certification.	Approval Number.
9	02 of 02	901.02	FLY ASH	BATCH PLANT	One 5 lb (3 kg) random verification sample required as directed.	Approved List(s).	Other Type Certification.	Approval Number.

<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
10	01 of 02	901.08	BAGGED CEMENTS	JOBSITE	Portland Cements and Masonry Cements.	Approved List(s). For less than 75 bags, no sampling required.	Visual and specification reference from bag.	C999995.
10	02 of 02	901.08	BAGGED CEMENTS	JOBSITE	Portland Cements and Masonry Cements.	Approved List(s). For greater than or equal to 75 bags, one unopened bag for each 250 bags.	Test Results	Sequence Number.
11	01 of 01	901.08	BAGGED MORTAR MIX	JOBSITE	Bagged Concrete and Mortar Mixes.	All packages shall be identified as conforming to ASTM C-387.	Visual and specification reference from bag.	C999995.
12	01 of 02	912.03	CONCRETE ADMIXTURE	TYPE A, B, C, D, E, F, G and AIR ENT'MENT	One 1 qt (1 L) random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number.	N/A.
12	02 of 02	912.04	CONCRETE ADMIXTURE	LATEX MODIFIER	One 1 qt (1 L) random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number.	N/A.
13	01 of 03	912.01	CONCRETE CURING MATERIALS	JOBSITE	Liquid Membrane Curing Materials.	For quantities less than or equal to 1000 gal (4000 L).	Visual.	C999995.
13	02 of 03	912.01	CONCRETE CURING MATERIALS	JOBSITE	Liquid Membrane Curing Materials.	Sample once per source per contract which use greater than 1000 gal (4000 L) or as requested. Sample will be obtained at sprayer nozzle to obtain one 1 gal (4 L) sample.	Test Results	Sequence Number
13	03 of 03	912.02	CONCRETE CURING MATERIALS	JOBSITE	CONCRETE SEALERS, PROPRIETARY. One 1 qt (1 L) random verification sample required per year per manufacturer as directed. Sample at sprayer nozzle.	Approved List(s).	Type C Cert.	C999993.

<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
14	01 of 02	702.23	CONCRETE WATER PROOFING MATLS.	JOBSITE	Treated cotton fabric, woven glass fabric and glass fiber mat.	Visual.	Type C Cert.	C999993.
14	02 of 02	702.23	CONCRETE WATER PROOFING MATLS.	JOBSITE	Asphalt for waterproofing.	Visual.	Type A Cert.	C999991.
15	01 of 21	501.05	CONCRETE	JOBSITE	PAVEMENT-QC/QA (Acceptance).	Approved List(s) component(s). Unit Weight and Air Content (one per 2400 syd (2000 m²)) and W/C Ratio (one per 7200 sy(6000 m²)).	Test Results.	Sequence Number.
15	02 of 21	501.05	CONCRETE	JOBSITE	PAVEMENT-QC/QA (Acceptance).	THICKNESS: two cores per 2400 syd (2000 m²).	Test Results.	Sequence Number.
15	03 of 21	501.05	CONCRETE	JOBSITE	PAVEMENT-QC/QA (Acceptance).	FLEXURAL: two beams per 2400 syd (2000 m²).	Test Results.	N/A.
15	04 of 21	501.23	CONCRETE	JOBSITE	PAVEMENT-QC/QA (Opening to Traffic).	Age requirement, ITM 402, or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production.	Test Results.	N/A.
15	05 of 21	502.04	CONCRETE	JOBSITE	PAVEMENT-NON QC/QA (Acceptance).	Approved List(s) component(s). Yield (one per 2400 syd (2000 m²)), Air Content and Slump (one per 950 syd (800 m²)). W/C Ratio (one per 2850 syd (2400 m²)).	Test Results.	Sequence Number.
15	06 of 21	502.04	CONCRETE	JOBSITE	PAVEMENT-NON QC/QA (Acceptance).	THICKNESS: one core per 1200 syd (1000 m²), except patches and formed driveways shall not be cored.	Test Results.	Sequence Number.

<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
15	07 of 21	502.18	CONCRETE	JOBSITE	PAVEMENT-NON QC/QA (Opening to Traffic).	Age requirement or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production.	Test Results.	N/A.
15	08 of 21	730.05 (RSP 730-B-157)	CONCRETE	JOBSITE	SUPERSTRUCTURE-QC/QA (Acceptance).	Approved List(s) component(s). Unit Weight and Air Content (one per 50 cyd (40 m³)).	Test Results.	Sequence Number.
15	09 of 21	730.05 (RSP 730-B-157)	CONCRETE	JOBSITE	SUPERSTRUCTURE-QC/QA (Acceptance).	COMPRESSIVE: two cylinders (minimum) per 50 cyd (40 m³).	Test Results.	Sequence Number.
15	10 of 21	702	CONCRETE	JOBSITE	SUPERSTRUCTURE-NON QC/QA (Acceptance).	Approved List(s) component(s). Yield and Air Content (one per 50 cyd (40 m³)), Slump (one per 100 cyd (80 m³)), and W/C Ratio (one per 300 cyd (240 m³)).	Test Results.	Sequence Number.
15	11 of 21	609	CONCRETE	JOBSITE	BRIDGE APPROACHES (Acceptance).	Approved List(s) component(s). Yield and Slump (one per 50 cyd (40 m³)), Air Content (one per 20 cyd (16 m³)).	Test Results.	Sequence Number.
15	12 of 21	609.12	CONCRETE	JOBSITE	BRIDGE APPROACHES (Opening To Traffic).	Age requirement or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production.	Test Results.	N/A.
15	13 of 21	702	CONCRETE	JOBSITE	STRUCTURES (Acceptance).	Approved List(s) component(s). For less than or equal to 20 cyd (16 m³), no sampling required.	Visual.	C999995.
15	14 of 21	702	CONCRETE	JOBSITE	STRUCTURES (Acceptance).	Approved List(s) component(s). For greater than 20 cyd (16 m³), Yield and Air Content (one per 50 cyd (40 m³), Slump (one per 100 cyd (80 m³)) and W/C Ratio, (one per 300 cyd (240 m³)).	Test Results.	Sequence Number.

<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
15	15 of 21	702.13g	CONCRETE	JOBSITE	STRUCTURES (Form Removal).	Age requirement or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production.	Test Results.	N/A.
15	16 of 21	702.24	CONCRETE	JOBSITE	STRUCTURES (Load Application).	Age requirement or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production.	Test Results.	N/A.
15	17 of 21	702.24	CONCRETE	JOBSITE	STRUCTURES (Opening to Traffic, Form Removal or Load Application).	COMPRESSIVE: Test cylinders shall be obtained at the end of each day's production.	Test Results.	N/A.
15	18 of 21	502 or 702	CONCRETE	JOBSITE	MISCELLANEOUS (Acceptance).	Approved List(s) component(s). For less than or equal to 40 cyd (32 m³), no sampling required.	Visual.	C999995.
15	19 of 21	502 or 702	CONCRETE	JOBSITE	MISCELLANEOUS (Acceptance).	Approved List(s) component(s). For greater than 40 cyd (32 m³), Yield and Air Content (one per 50 cyd (40 m³)), Slump (one per 100 cyd (80 m³)).	Test Results.	Sequence Number.
15	20 of 21	722	CONCRETE	JOBSITE	LATEX-MODIFIED (Acceptance). One series of tests on first load of each truck and every third load per truck thereafter.	Approved List(s) component(s). Yield, Air Content, Slump and W/C Ratio one per 30 cyd (24 m³).	Test Results.	Sequence Number.
15	21 of 21	722.11	CONCRETE	JOBSITE	LATEX-MODIFIED (Opening to Traffic).	COMPRESSIVE: Test cylinders shall be obtained at the end of each day's production.	Test Results.	N/A.
16	01 of 10	910.01b	REINFORCING STEEL	CERTIFIED MANUFACTURER	REINFORCING BAR-UNCOATED. Straight or Spiral. One 5 ft (1.5 m) random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number.	Approval Number.

<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
16	02 of 10	910.01b9	REINFORCING STEEL	CERTIFIED COATER	REINFORCING BAR-COATED. Straight or Spiral. One 5 ft (1.5 m) random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number(s).	Approval Number(s).
16	03 of 10	910.01b10	REINFORCING STEEL	CERTIFIED COATER	DOWEL. One random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number(s).	Approval Number(s).
16	04 of 10	910.01b5 or 910.01b6	REINFORCING STEEL	JOBSITE or FABRICATOR	WELDED WIRE. Smooth or deformed.	For less than or equal to 100 syd (80 m ²), no sampling required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
16	05 of 10	910.01b5 or 910.01b6	REINFORCING STEEL	JOBSITE or FABRICATOR	WELDED WIRE. Smooth or deformed.	For greater than 100 syd (80 m ²), a 3 ft x 3 ft (1 m x 1 m) sample per wire size for each 20 T (20 Mg) from each source.	Test Results.	Sequence Number.
16	06 of 10	910.01b2	REINFORCING STEEL	JOBSITE	THREADED TIE BAR ASSEMBLY for each bar size.	For less than or equal to 10 units of each bar size, no sampling required.	Visual.	C999995.
16	07 of 10	910.01b2	REINFORCING STEEL	JOBSITE	THREADED TIE BAR ASSEMBLY for each bar size.	For greater than 10 units of each bar size, two complete assemblies when less than 8 ft (2.5 m), one complete assembly otherwise.	Test Results.	Sequence Number.
16	08 of 10	910.01b3	REINFORCING STEEL	JOBSITE	SPLICING SYSTEM for reinforcing bar. Two 3 ft (1 m) bars and coupler random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number.	Approval Number.
16	09 of 10	910.01a	REINFORCING STEEL	JOBSITE	BENT TIE BAR. One random verification sample required per year per manufacturer as directed. Two complete bar samples when less than 8 ft (2.5 m), otherwise one complete bar sample.	Approved List(s) component(s).	Test Results.	Sequence Number.

<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
16	10 of 10	901.05	REINFORCING STEEL	JOBSITE	ANCHOR SYSTEM. Chemical. One 1 qt (1 L) random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number.	Approval Number.
17	01 of 07	906.02a	CRACK, JOINT and LOOP SEALANT	JOBSITE, SOURCE or DISTRIBUTOR	SINGLE COMPONENT LOW MODULUS.	Approved List(s).	Approval Number.	Approval Number.
17	02 of 07	906.02a2	CRACK, JOINT and LOOP SEALANT	JOBSITE, SOURCE or DISTRIBUTOR	HOT POURED JOINT SEALANT.	Two 1 qt (1 L) or 12 lb (6 kg) sample from each shipment of 1000 gal (4000 L).	M Number.	M Number.
17	03 of 07	906.02a3	CRACK and JOINT FILLER	JOBSITE, SOURCE or DISTRIBUTOR	PREFORMED ELASTOMERIC JOINT SEALS.	One 6 ft (2 m) sample containing the lot or batch number for each 3000 ft (1000 m) for each date of manufacture.	M Number. Type A Cert. for Joint Material and Type C Cert. for Adhesive.	M Number.
17	04 of 07	906.02a3 and 906.02b	CRACK and JOINT FILLER	JOBSITE, SOURCE or DISTRIBUTOR	PREFORMED ELASTOMERIC JOINT SEAL LUBRICANT-ADHESIVE AND BACKER ROD.	Visual.	Type C Cert.	C999993.
17	05 of 07	906.01	CRACK and JOINT FILLER	JOBSITE, SOURCE or DISTRIBUTOR	PREFORMED JOINT FILLER FOR NON-PAVEMENT AND PAVEMENT CONCRETE.	For less than or equal to 100 sys (90 m ²) or if joint depth less than 6 in (150 mm), no sampling required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
17	06 of 07	906.01	CRACK and JOINT FILLER	JOBSITE, SOURCE or DISTRIBUTOR	PREFORMED JOINT FILLER FOR NON-PAVEMENT CONCRETE.	For greater than 100 sys (90 m ²), one 5 ft (1.5 m) sample of each thickness for each 1000 sys (900 m ²) per shipment. If joint depth less than 6 in (150 mm), no sampling required.	Test Results.	Sequence Number.
17	07 of 07	906.01	CRACK and JOINT FILLER	JOBSITE, SOURCE or DISTRIBUTOR	PREFORMED JOINT FILLER FOR PAVEMENT CONCRETE.	For greater than 100 sys (90 m ²), one 5 ft (1.5 m) sample of each thickness for each 5000 sys (4500 m ²) per shipment. If joint depth less than 6 in (150 mm), no sampling required.	Test Results.	Sequence Number.

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18	01 of 03	909.09	EPOXY PENETRATING SEALERS	JOBSITE, SOURCE or DISTRIBUTOR	N/A.	Approved List(s). One unopened 5 gal (20 L) container for each component from each lot, batch or other unit of production per shipment.	M Number.	M Number.
18	02 of 03	709.05b	SILICA SAND BAGGED	JOBSITE	N/A.	Visual.	Bag Label or MSDS.	C999995.
18	03 of 03	709.05b	SILICA SAND BULK	JOBSITE	N/A.	Visual.	Type C Cert.	C999993.
19	01 of 01	909.10	PROPRIETARY PCC SEALER	JOBSITE	One 1 qt (1 L) random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number.	Approval Number.
20	01 of 01	909.11	EPOXY (RESIN BASE SYSTEM)	JOBSITE	For bonding plastic concrete to hardened concrete.	Visual.	Type C Cert.	C999993.
21	01 of 01	506.02	BONDING AGENT	JOBSITE	For grout finish.	Approved List(s).	Approval Number.	Approval Number.
22	01 of 05	211.02	B BORROW / STRUCTURE BACKFILL, GRADATION	CAPP SOURCE	ALL USES.	Approved List(s).	CAPP D Number.	CAPP D Number.
22	02 of 05	211.02	B BORROW / STRUCTURE BACKFILL, GRADATION	PIT, OTHER (NON- CAPP SOURCE)	FOR STRUCTURES AND FOR OTHER THAN STRUCTURES: 1 cyd (0.7 cm) = 3000 lb (1.4 Mg) for material placed above water.	One test per 2000 T (2000 Mg) based on production samples into a stockpile or by over the scales measurement. Minimum two tests per contract.	Contractor's Test Results.	C999994.

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22	03 of 05	211.02	B BORROW / STRUCTURE BACKFILL, DENSITY	JOBSITE	FOR OTHER THAN STRUCTURES: 1 cyd (0.7 cm) = 3000 lb (1.4 Mg) for material placed above water.	For less than or equal to 700 cy (500 m³), one in-place density test for each two-lane pavement, for each lift.	Test Results.	N/A.
22	04 of 05	211.02	B BORROW / STRUCTURE BACKFILL, DENSITY	JOBSITE	FOR OTHER THAN STRUCTURES: 1 cyd (0.7 cm) = 3000 lb (1.4 Mg) for material placed above water.	For greater than 700 cy (500 m³), one in-place density test for each 700 cy (500 m³) for each lift.	Test Results.	N/A.
22	05 of 05	211.02	B BORROW / STRUCTURE BACKFILL, DENSITY	JOBSITE	FOR STRUCTURES: 1 cyd (0.7 cm) = 3000 lb (1.4 Mg) for material placed above water.	One in-place density test for each 500 cyd (400 m³).	Test Results.	N/A.
23	01 of 03	303.06	COMP. AGG., GRADATION	SOURCE	ALL USES.	Approved List(s).	CAPP D Number.	CAPP D Number.
23	02 of 03	303.06	COMP. AGG., DENSITY	JOBSITE	ALL USES.	One test per 800 T (800 Mg). No test required when total depth of material is less than 3 in (75 mm).	Test Results.	N/A.
23	03 of 03	303.06	COMP. AGG., PI, LL and DENSITY	SOURCE	ALL USES.	District Testing will sample and test quarterly. If material is plastic, LL and PI will be tested monthly when used.	Test Results.	Test Results.
24	01 of 02	302.06	SUBBASE, GRADATION	SOURCE	ALL USES.	Approved List(s).	CAPP D Number.	CAPP D Number.
24	02 of 02	302.06	SUBBASE, DENSITY	JOBSITE	ALL USES.	One test per 800 T (800 Mg). No test required when total depth of material is less than 3 in (75 mm).	N/A.	Test Results.

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25	01 of 02	203.23	EMBANKMENT, DENSITY	JOBSITE	Minimum number of tests required when the fill is satisfactory. Additional tests are required if necessary to control the embankment quality.	For bridges, one test for each 700 cyd (500 m³) for each lift.	Test Results.	N/A.
25	02 of 02	203.23	EMBANKMENT, DENSITY	JOBSITE	Minimum number of tests required when the fill is satisfactory. Additional tests are required if necessary to control the embankment quality.	For each 1400 cyd (1000 m³), one in-place density test for each lift for each two-lane pavement.	Test Results.	N/A.
26	01 of 02	207.03	SUBGRADE TREATMENT, DENSITY	JOBSITE	FOR PAVEMENT (Mainline and Shoulders).	For each 1400 yd³ (1000 m³), one in-place density test for each lift.	Test Results.	N/A.
26	02 of 02	207.03	SUBGRADE TREATMENT, DENSITY	JOBSITE	FOR WIDENING TRENCHES less than or equal to 5 ft (1.5 m).	For each 300 yd³ (200 m³), one in-place density test.	Test Results.	N/A.
27	01 of 04	910.18b or 910.18c	FENCE MATERIALS	JOBSITE or FABRICATOR	FABRIC-CHAIN LINK.	For less than or equal to 90 ft (30 m), no sampling required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
27	02 of 04	910.18b or 910.18c	FENCE MATERIALS	JOBSITE or FABRICATOR	FABRIC-CHAIN LINK.	For greater than 90 ft (30 m), one 3 ft (1 m) full height sample for each 2400 ft (800 m).	Seal Number and Test Results.	Seal Number or Sequence Number.
27	03 of 04	910.18a	FENCE MATERIALS	JOBSITE or FABRICATOR	FARM FIELD.	For less than or equal to 300 ft (100 m), no sampling required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
27	04 of 04	910.18a	FENCE MATERIALS	JOBSITE or FABRICATOR	FARM FIELD.	For greater than 300 ft (100 m), one 3 ft (1 m) full height sample for each 15000 ft (5000 m).	Seal Number and Test Results.	Seal Number or Sequence Number.

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28	01 of 02	910.18b1 or 910.18c (Table 1)	FENCE MATERIALS	JOBSITE or FABRICATOR	TENSION WIRE.	For less than or equal to 1000 ft (300 m), one six foot sample per contract.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
28	02 of 02	910.18b1 or 910.18c (Table 1)	FENCE MATERIALS	JOBSITE or FABRICATOR	TENSION WIRE.	For greater than 1000 ft (300 m), one 6 ft (2 m) sample for each 18000 ft (6000 m).	Seal Number and Test Results.	Seal Number or Sequence Number.
29	01 of 02	910.18b4 or 910.18c (Table 1)	FENCE MATERIALS	JOBSITE or FABRICATOR	BARBED WIRE.	For less than or equal to 1000 ft (300 m), no sampling required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
29	02 of 02	910.18b4 or 910.18c (Table 1)	FENCE MATERIALS	JOBSITE or FABRICATOR	BARBED WIRE.	For greater than 1000 ft (300 m), one 25 ft (8 m) sample for each 24000 ft (8000 m).	Seal Number and Test Results.	Seal Number or Sequence Number.
30	01 of 02	910.13 or 910.18b3 or 910.18c (Table 1)	FENCE MATERIALS	JOBSITE or FABRICATOR	POSTS AND BRACES.	For less than or equal to 25 each of any size or type, no sampling required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
30	02 of 02	910.13 or 910.18b3 or 910.18c (Table 1)	FENCE MATERIALS	JOBSITE or FABRICATOR	POSTS AND BRACES.	For greater than 25 each of any size or type, one sample (unit) per 1000.	Seal Number and Test Results.	Seal Number or Sequence Number.
31	01 of 01	910.18d	FENCE MATERIALS	JOBSITE	GATES-STEEL OR ALUMINUM.	Visually check for dimensions and workmanship.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
32	01 of 01	910.09	STEEL BEAM GUARDRAIL & ACCESSORIES	JOBSITE	STEEL BEAM G.R. and ACCESSORIES.	Approved List(s). For installers on certification basis, visually inspect for dimensions and workmanship.	Approval Number.	Approval Number.

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33	01 of 04	911.02f	WOOD GUARDRAIL POSTS, BRACES, & BATTENS	JOBSITE or SUPPLIER	SAWED TIMBER POSTS AND BLOCKS FOR THRIE-BEAM and W-BEAM GUARD RAIL.	Approved List(s). For installers on certification basis, visually inspect for dimensions and wood defects.	Approval Number.	Approval Number.
33	02 of 04	911.02f	WOOD GUARDRAIL POSTS, BRACES, & BATTENS	SUPPLIER or JOB SITE (FOR INSTALLERS NOT ON IMMEDIATE	SAWED TIMBER POSTS AND BLOCKS FOR THRIE-BEAM and W-BEAM GUARD RAIL.	For greater than or equal to One Complete End Treatment: Visually Inspect For Dimensions and Wood Defects. One Sample, 20 Borer Cores, Per Source Per Preservative Charge Shall Be Taken For Each Contract.	Test Results. Type B Cert.	Sequence Number.
33	03 of 04	911.02d	WOOD GUARDRAIL POSTS, BRACES, & BATTENS	JOBSITE	OTHER WOODEN GUARD RAIL POSTS, BRACES, AND BLOCKS.	Visually Inspect All Units	Indiana Stamp or Grade Mark.	C999995.
33	04 of 04	601(RSP 601-R-338)	GUARDRAIL BLOCKS, OTHER THAN WOOD	JOBSITE	OTHER THAN WOOD GUARD RAIL BLOCKOUTS	Approved List(s).	Type C Cert.	C999993
34	01 of 02	910.20	BR. RAILING, BRACKETS, & ACC.	JOBSITE	Bridge railing brackets and accessories.	ANCHOR BOLTS. Visual.	Type A Cert.	C999991.
34	02 of 02	910.20	BR. RAILING, BRACKETS, & ACC.	JOBSITE	Bridge railing brackets and accessories.	ALL OTHER ITEMS. Visual.	Type C Cert.	C999993.
35	01 of 01	601.06 and 601.07	GUARDRAIL END TREATMENT	JOBSITE	GUARD RAIL TRANSITIONS AND END TREATMENTS FOR W-BEAM AND THRIE-BEAM RAIL SECTIONS.	Approved List(s).	Approval Number.	Approval Number.
36	01 of 01	601.08	IMPACT ATTENUATORS	JOBSITE	ALL TYPES. (Permanent Only)	Approved List(s). Visually inspect for dimensions and workmanship.	Approval Number.	Approval Number.

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37	01 of 02	914.01	SPECIAL TOPSOIL	SOURCE	URBAN AREA USE.	For less than or equal to 60 cyd (45 m³), no sample required.	Visual.	C999995.
37	02 of 02	914.01	SPECIAL TOPSOIL	SOURCE	URBAN AREA USE.	For greater than 60 cyd (45 m³), one 5 lb (2.5 kg) sample per source.	Test Results.	Sequence Number.
38	01 of 01	914.01	AG LIMESTONE	SOURCE	MISC. USE.	No sampling required.	Visual.	C999995.
39	01 of 01	914.03	FERTILIZER	JOBSITE	All uses.	BAGGED, BULK OR LIQUID: Visual.	Analysis from Bag or Weigh Ticket must be 12-12-12.	C999995.
40	01 of 03	914.04	GRASS SEED	SUPPLIER	SEED.	Approved List(s). All seed must be inspected and State stamped. Seed cannot be used after the expiration date.	Test Result from Bag Label.	Sequence Number.
40	02 of 03	914.04	GRASS SEED	JOBSITE or SUPPLIER	SEED. (Temporary Only)	Visual inspection to ensure that the seed's package is clearly marked and labeled by the manufacturer as to its content and weight.	Visual.	C999995.
40	03 of 03		WILD FLOWER SEED	JOBSITE	SEED.	Approved List(s). Independent lab test results reviewed by State Chemist.	Approval by State Chemist.	C999996.
41	01 of 03	914.05	MULCH	JOBSITE	MATERIAL.	For wood cellulose fiber, excelsior blankets, and paper or straw mats, visually inspect each shipment.	Visual	C999995.

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41	02 of 03	914.05	MULCH	JOBSITE	MATERIAL.	For other types of mulch, visually inspect each shipment.	Visual	C999995
41	03 of 03	914.05	MULCH	JOBSITE	MOISTURE.	One test for greater than 40 T (36 Mg) of mulch. Additional tests when visual inspection indicates a significant amount of moisture in the mulch.	Moisture Test.	Sequence Number
42	01 of 02	914.07	SOD	JOBSITE	NURSERY.	Visually inspect each shipment.	Type C Certification.	C999993.
42	02 of 02	914.07	SOD	JOBSITE	OTHER.	Visual inspection.	Visual.	C999995.
43	01 of 02	914.08	PLANTS	JOBSITE or NURSERY	BARE ROOT PLANTS AND SEEDLINGS. Plants to be visually inspected for quality.	Approved List(s). Sources of plants must be from DNR inspection catalog or approved by INDOT Landscape Architect. Certificate of compliance for plants required.	Approval Number.	Approval Number.
43	02 of 02	914.08	PLANTS	JOBSITE	BAGGED PLANTS	Visual.	Type C Cert.	C999993.
44	01 of 01	914.09	MISC. ROADSIDE DEV. MATL'S.	JOBSITE or SOURCE	N/A.	Visual.	Type C Cert.	C999993.
45	01 of 01	RSP 624-M-024	HERBICIDES	CONTRACTOR CENTRAL STORAGE AREA	N/A.	Visually inspect for verification of manufacturer and active ingredients.	Verification of Manufacturer and Active Ingredients.	C999995.

REF	SUB- REF.	SPEC. REFERENCE	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	PE/PS BASIS FOR APPROVAL	MR BASIS FOR USE
46	01 of 05	911.01	LUMBER, UNTREATED	JOBSITE or SUPPLIER	N/A.	Visually inspect for dimension and wood defects.	Visual and State Stamp or Grade Mark (One End Only).	C999996.
46	02 of 05	911.01	LUMBER, UNTREATED (TEMP)	JOBSITE	N/A.	Visually inspect each item.	Visual.	C999995.
46	03 of 05	911.02	LUMBER, TREATED	TREATMENT PLANT	N/A.	Visually inspect each item after treatment, and perform assay test. One sample (20 borer cores) per source per charge.	Stamped on Both Ends or Test Results	C999996 or Sequence Number
46	04 of 05	911.02	LUMBER, TREATED	JOBSITE or CONTRACTOR YARD	N/A.	Visually inspect for dimensions and wood defects. One sample(20 borer cores) per source, per charge.	Stamped on Both Ends or Test Results	C999996 or Sequence Number
46	05 of 05	911.02g	LUMBER, TREATED; for Recreational Uses	JOBSITE or CONTRACTOR YARD	Picnic tables, benches, handrails and other uses where human contact will occur.	Visually inspect for dimensions and manufacturer markings.	Type C Cert.	C999993.
47	01 of 03	911.01a5	WOODEN POLES, TIMBER, ETC.	JOBSITE or SUPPLIER	UNTREATED.	Visually inspect each item for dimension and wood defects.	Stamped on One End	C999996
47	02 of 03		WOODEN POLES, TIMBER, ETC.	TREATMENT PLANT	TREATED.	Visually inspect after treatment, and perform assay test. One sample (20 borer cores) per source, per charge.	Stamped on Both Ends or Test Results	C999996 or Sequence Number
47	03 of 03		WOODEN POLES, TIMBER, ETC.	JOBSITE or CONTRACTOR YARD	TREATED. Contact the District Testing Engineer to request sampling.	Visually inspect for dimensions and wood defects. One sample (20 borer cores) per source, per charge.	Stamped on Both Ends or Test Results	C999996 or Sequence Number

<i>REF</i>	<i>SUB-REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
48	01 of 03	404 or 608 or 718 or 616 or 904.02g	AGGREGATE	CAPP SOURCE	SHOULDER DRAINS, UNDERDRAINS, SEAL COATS, RIPRAP, SNOW AND ICE AGGREGATE AND MISCELLANEOUS USE.	Approved List(s).	CAPP D Number.	CAPP D Number.
48	02 of 03	904	AGG FOR PRECAST CONCRETE	SOURCE	N/A.	Quality Test Required.	N/A.	N/A.
48	03 of 03	904.02g	AGGREGATE SNOW and ICE	SOURCE	NON-CAPP SOURCE	One Gradation by INDOT per 1000 tons (1000 Mg).	Test Results.	Sequence Number.
49	01 of 01	910.16	COPPER FLASHING	JOBSITE	N/A.	Visual.	Type C Cert.	C999993.
50	01 of 01	910.17	BRONZE OR COPPER ALLOY PLATES	POINT OF DELIVERY	N/A.	Visual.	Type A Cert.	C999991.
51	01 of 01	913.01	WATER	SOURCE	Based on intended use.	When source is of questionable quality for intended use, consult the DTE.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
52	01 of 03	913.02 and 913.03	CALCIUM AND SODIUM CHLORIDE	POINT OF DELIVERY	ICE AND SNOW REMOVAL.	One 1 gal (4 L) sample for each 2,000 T (2000 Mg) per source for gradation and moisture. One quart (1 L) sample for purity per purchase order.	Test Results.	Sequence Number.
52	02 of 03	913.02 and 913.03	CALCIUM AND SODIUM CHLORIDE	POINT OF USAGE	ALL OTHER USES.	For less than or equal to 5 T (5 Mg), no sampling required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.

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52	03 of 03	913.02 and 913.03	CALCIUM AND SODIUM CHLORIDE	POINT OF USAGE	ALL OTHER USES.	For greater than 5 T (5 Mg), one 1 gal (4 L) sample for each 200 T (200 Mg) per source.	Test Results.	Sequence Number.
53	01 of 02	913.04	HYDRATED LIME	JOBSITE	BAGGED.One 50 lb (25 kg) random verification sample required per year per manufacturer as directed.	Visual	Type A Cert.	C999991.
53	02 of 02	913.04	HYDRATED LIME AND KILN DUST	JOBSITE	BULK.One 5 lb (2.5 kg) random verification sample required per year per manufacturer as directed.	Visual	Type A Cert.	C999991.
54	01 of 01	611	MAIL BOX ASSEMBLY	JOBSITE	JOBSITE.	Visually inspect for dimensions and workmanship.	Visual.	C999995.
55	01 of 04	918.02	GEOTEXTILE FOR RIPRAP	JOBSITE or SOURCE	Filter cloth. One 1.5 syd (1.5 sm) random verification sample required per year per manufacturer as directed.	Approved List(s).	W Number.	W Number.
55	02 of 04	918.03	GEOTEXTILE FOR UNDERDRAINS	JOBSITE or SOURCE	One 1.5 syd (1.5 sm) random verification sample required per year per manufacturer as directed.	Approved List(s).	W Number.	W Number.
55	03 of 04	918.05	GEOGRID	JOBSITE or SOURCE	N/A.	Approved List(s).	W Number.	W Number.
55	04 of 04	918.04	SILTFENCE	JOBSITE or SOURCE	N/A.	Visual.	Type C Cert.	C999993.

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56	01 of 01	909	ALL PAINT OTHER THAN PAVEMENT MARKINGS	JOBSITE or SUPPLIER	All components must be from approved lists and reported for multi-component systems. M number applicable to combination of batches tested when multi-component.	Approved List(s) component(s).	M Number.	M Number.
57	01 of 01	907.01 or 907.02 or 907.03 or 907.08 or 907.09	CONCRETE OR CLAY PIPE	JOBSITE	Certified Precast Concrete Producers.	Visual. Marked with ACPA or NPCA Product Marking, Source No., Date of Manufacture, and any Std. Spec. Req.	Visual and verification of Approved Source.	C999996.
58	01 of 01		PRECAST CONCRETE UNIT	SOURCE	END SECTIONS. Certified Precast Concrete Producers	Visual. Marked with ACPA or NPCA Product Marking, Source No., Date of Manufacture, and any Std. Spec. Req.	Visual and verification of Approved Source.	C999996.
59	01 of 02	907.04	PRECAST CONCRETE UNITS	JOBSITE	MANHOLES, INLETS, CATCH BASINS AND GRADE RINGS. Certified Precast Concrete Producers.	Visual. Marked with ACPA or NPCA Product Marking, Source No., Date of Manufacture, and any Std. Spec. Req.	Visual and verification of Approved Source.	C999996.
59	02 of 02	907.05	PRECAST CONCRETE UNITS	SOURCE	REINFORCED CONCRETE BOX SECTIONS. Certified Precast Concrete Producers	Visual. Marked with ACPA or NPCA Product Marking, Source No., Date of Manufacture, and any Std. Spec. Req.	Visual and verification of Approved Source.	C999996.
60	01 of 04	RSP 731-R-202	PRECAST CONCRETE UNIT	SOURCE	MECHANICALLY STABILIZED EARTH RETAINING WALLS. Certified Precast Concrete Producer	Visual. Marked with ACPA or NPCA Product Marking, Source No., Date of Manufacture, and any Std. Spec. Req.	Visual and verification of Approved Source.	C999996.
60	02 of 04	RSP 732-R310	MODULAR CONCRETE BLOCKS	SOURCE	N/A	For less than or equal to 200 blocks, visually inspect for dimensions and workmanship.	Visual.	C999995.
60	03 of 04	RSP 732-R310	MODULAR CONCRETE BLOCKS	SOURCE	A lot is 10,000 blocks	For greater than 200 blocks, six blocks per lot. Compressive strength and absorption per lot.	Test Results	Sequence Number w/Delivery Ticket.

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60	04 of 04	RSP 732-R310	MODULAR CONCRETE BLOCKS	SOURCE	Cap blocks.	Visual.	Visual.	C999995.
61	01 of 01	907.11	DRAIN TILE	SOURCE	Certified Precast Concrete Producers.	Visual. Marked with ACPA or NPCA Product Marking, Source No., Date of Manufacture, and any Std. Spec. Req.	Visual and verification of Approved Source.	C999996.
62	01 of 01	907.24a	SEWER PIPE	JOBSITE	Sanitary Sewer Pipe.	Visually inspect for dimensions and workmanship.	Type A Cert (include Lot # and Date of Manufacture).	C999991.
63	01 of 05	907.17 and 907.18	PLASTIC PIPE	JOBSITE	PLASTIC CORRUGATED DRAINAGE TUBING AND PERFORATED PLASTIC SEMI-CIRCULAR PIPE.	Approved List(s). Visually inspect for dimensions and workmanship.	Approval Number.	Approval Number.
63	02 of 05	907.19 through 907.24	PLASTIC PIPE	JOBSITE	PLASTIC PIPE FOR USE IN CULVERTS, STORM SEWERS.	Approved List(s). Visually inspect for dimensions and workmanship.	Approval Number.	Approval Number.
63	03 of 05		PLASTIC PIPE	JOBSITE	SDR-35 PVC SEWER PIPE WITH A SMOOTH INTERIOR.	Approved List(s) component(s). Visually inspect for dimensions and workmanship.	Approval Number.	Approval Number.
63	04 of 05	907.24a	PLASTIC PIPE	JOBSITE	SCHEDULE 40 PVC PIPE. For bridge drains, underdrain outlets, and miscellaneous applications	Visual	Type C Cert. An ASTM stamp is required on pipe.	C999993
63	05 of 05	907.25	PIPE LINERS	JOBSITE	Pipe liners to be visually inspected	Visual	Approval Number	Approval Number

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64	01 of 01	715.02j	GRATED BOX END SECTIONS	SOURCE	Certified Precast Concrete Producers	Visual. Marked with ACPA or NPCA Product Marking, Source No., Date of Manufacture, and any Std. Spec. Req.	Visual and verification of Approved Source.	C999996.
65	01 of 01	906.04	RUBBER TYPE GASKETS (RING)	JOBSITE	N/A.	Visual.	Type B Cert.	C999992.
66	01 of 01	906.05	MASTIC PIPE JOINT SEALERS	JOBSITE	N/A.	Visual.	Type C Cert.	C999993.
67	01 of 01	906.06	JOINT MEMBRANE SYSTEM FOR PRECAST CONCRETE BOX CULVERTS	JOBSITE	N/A.	Visual.	Type B Cert.	C999992.
68	01 of 03	910.01b5 or 910.01b6	RESTEEL (PIPE and ACCESSORIES)	SOURCE	FOR CONCRETE PIPE, MANHOLES, AND CATCH BASINS.	WELDED STEEL WIRE FABIC: Sample once per year. Sample shall be 3 ft by 3 ft (1 m x 1 m). If cut by burning, sample shall be 4 ft by 4 ft (1.2 m x 1.2 m).	N/A.	N/A.
68	02 of 03	910.01b9 or 910.01b10	RESTEEL (PIPE and ACCESSORIES)	SOURCE	FOR CONCRETE PIPE, MANHOLES, AND CATCH BASINS.	Approved List(s) component(s). BAR REINFORCEMENT: Sample once per year for verification.	N/A.	N/A.
68	03 of 03	907.04	MANHOLE STEPS	SOURCE	FOR CONCRETE MANHOLES, CATCHBASINS AND LIFT STATIONS. One random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number.	Approval Number.
69	01 of 01		CAST IRON CULVERT PIPE	JOBSITE	N/A.	Field check for dimensions and weight.	Visual.	C999995.

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70	01 of 01	908.02 and 908.04 and 908.08	PIPE	SOURCE	CORRUGATED METAL CULVERT PIPE, PIPE ARCHES, AND UNDERDRAINS.	One verification sample per fabricator per calendar year per gauge.	Other Type Certification (attach Mill Report and fabricator certification).	C999994.
71	01 of 01	908.06	METAL END SECTIONS	SOURCE	N/A.	One verification sample per fabricator per calendar year per gauge.	Other Type Certification (attach Mill Report and fabricator certification).	C999994.
72	01 of 01	908.07	ASPHALT MATERIAL FOR PIPE	SOURCE	PIPE COATNG, PAVED INVERTS, ETC.	ASPHALT MATERIAL: verification sample from the tank used in production after replenishment.	Type A Cert.	C999991.
73	01 of 03	908.09	PIPE	ANY LOCATION PRIOR TO USE.	STRUCTURAL PLATE PIPE, PIPE ARCHES, AND ARCHES.	One verification sample per fabricator per calendar year per gauge.	Other Type Certification (attach Mill Report and fabricator certification).	C999994.
73	02 of 03	908.1	PIPE	JOBSITE	CAST IRON SOIL PIPE. For bridge drains.	Field check for dimensions and weight.	Visual.	C999995.
73	03 of 03	910.07	PIPE	JOBSITE	STEEL DRAIN PIPE.	Visual.	Type C Cert.	C999993.
74	01 of 03	905.02 or 905.03	BRICKS AND BLOCKS	JOBSITE or SOURCE	BRICK AND BLOCK.	For lots less than or equal to 200 units, visually inspect for dimensions and workmanship.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
74	02 of 03	905.02 or 905.03	BRICKS AND BLOCKS	JOBSITE or SOURCE	BRICK AND BLOCK.	For lots of 201 to 1,500 units, one sample (6 units).	Test Results or Seal Number.	Sequence Number or Seal Number.

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74	03 of 03	905.02 or 905.03	BRICKS AND BLOCKS	JOBSITE or SOURCE	BRICK AND BLOCK.	For lots greater than 1,500 units, 10 units for each lot of 100,000 except for lots of more than 500,000 units, five units shall be taken from every 100,000 units.	Test Results or Seal Number.	Sequence Number or Seal Number.
75	01 of 01	904.04e	PRECAST RIPRAP	SOURCE	Certified Precast Concrete Producers	Visual	Approval Number	Approval Number
76	01 of 02	600 (numerous subsections apply)	PRECAST CONCRETE UNITS	SOURCE (AGG QUALITY TEST REQUIRED)	ALL PRECAST UNITS.	Approved List(s) component(s). Aggregate.	Quality Test.	C999996.
76	02 of 02	600 (numerous subsections apply)	PRECAST CONCRETE UNITS	SOURCE	PRECAST PARKING, PRECAST CONCRETE CURBING, RIGHT-OF-WAY MARKERS, BENCH-MARK POSTS, CABLE MARKERS, AND MARKERS. Certified Precast Concrete Producers	Visual	Visual and verification of Approved Source.	C999996.
77	01 of 02	905.06	PRECAST CONCRETE UNITS	SOURCE	OTHER CONCRETE ITEMS.	Approved List(s) component(s). PRECAST UNITS: Strength (2 cylinders) and Absorption (2 cores for wet cast only) for each 200 units.	P Number.	P Number.
77	02 of 02	905.06	PRECAST CONCRETE UNITS	SOURCE	OTHER CONCRETE ITEMS. Certified Precast Concrete Producers	Visual	Approval Number	Approval Number
78	01 of 05	602.03a	PRECAST MEDIAN BARRIERS	SOURCE	PERMANENT.	AGGREGATE: Minimum of two point of use / yr / source.	N/A.	N/A.

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78	02 of 05	602.03a	PRECAST MEDIAN BARRIERS	SOURCE	PERMANENT.	CEMENT: Approved List(s).	N/A.	N/A.
78	03 of 05	602.03a	PRECAST MEDIAN BARRIERS	SOURCE	PERMANENT. One 5 ft (1.5 m) random verification sample required per year per manufacturer as directed. Samples less than 5 ft (1.5 m), two per 15 T (15 Mg) per size and deformation in each shipment.	Approved List(s). REINFORCING STEEL:	N/A.	N/A.
78	04 of 05	602.03a	PRECAST MEDIAN BARRIERS	SOURCE	PERMANENT.	Strength (2 cylinders) per 100 units and Absorption (2 cores for wet cast only) per 50 units.	Type A Cert.	C999991.
78	05 of 05	602.03a	PRECAST MEDIAN BARRIERS	SOURCE	PERMANENT. Certified Precast Concrete Producers	Visual	Approval Number	Approval Number
79	01 of 03	801.10	PRECAST MEDIAN BARRIERS	ANY LOCATION PRIOR TO USE	TEMPORARY. Produced prior to and including March 1, 2003.	Visually inspect for dimensions and workmanship.	Visual	C999995.
79	02 of 03	801.10	PRECAST MEDIAN BARRIERS	ANY LOCATION PRIOR TO USE	TEMPORARY. Produced after March 1, 2003 and prior to January 1, 2007.	Visually inspect for dimensions and workmanship.	Visual based on required markings and condition.	C999995.
79	03 of 03	801.10	PRECAST MEDIAN BARRIER	SOURCE	TEMPORARY. Certified Precast Concrete Producers	Visual	Approval Number	Approval Number
80	01 of 05	707.02	PRECAST CONCRETE ITEMS	PRODUCER	PRECAST/PRESTRESSED CONCRETE MEMBERS.	AGGREGATE: Approved List(s).	N/A.	N/A.

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80	02 of 05	707.02	PRECAST CONCRETE ITEMS	PRODUCER	PRECAST/PRESTRESSED CONCRETE MEMBERS.	CEMENT: Approved List(s).	N/A.	N/A.
80	03 of 05	707.02	PRECAST CONCRETE ITEMS	PRODUCER	PRECAST/PRESTRESSED CONCRETE MEMBERS.	Approved List(s). REINFORCING STEEL: One random verification sample required per year per manufacturer as directed. One 5 ft (1.5 m) sample for each 15 T (15 Mg) of each size and deformation.	N/A.	N/A.
80	04 of 05	707.02	PRECAST CONCRETE ITEMS	PRODUCER	PRECAST/PRESTRESSED CONCRETE MEMBERS.	STRAND: Type A Certification (prestressed beams only).	N/A.	N/A.
80	05 of 05	707.04c	PRECAST CONCRETE ITEMS	PRODUCER	PRECAST/PRESTRESSED CONCRETE MEMBERS.	The manufacturer is required to conduct one Air test, one Slump test, and make six cylinders (minimum) for compressive strength per pour.	Test Results and Yellow Card.	C999996.
81	01 of 10	911.01a5	POLES AND POSTS	JOBSITE or SUPPLIER	UNTREATED WOOD.	Visually inspect for dimension and wood defects.	Visual and State Stamp or Grade Mark (One End Only).	C999996.
81	02 of 10	911.02	POLES AND POSTS	TREATMENT PLANT	TREATED WOOD (TEMPORARY).	Visually inspect each item after treatment.	Visual.	C999995.
81	03 of 10	911.02	POLES AND POSTS	JOBSITE or CONTRACTOR YARD	TREATED WOOD.	Visually inspect for dimensions and wood defects. One sample (20 borer cores) per charge.	Stamped on Both Ends or Test Results.	C999996 or Sequence Number.
81	04 of 10	911.02g	POLES AND POSTS; for Recreational Uses	JOBSITE or CONTRACTOR YARD	TREATED WOOD. Handrails, benches, picnic tables, and other uses where human contact will occur.	Visually inspect for dimensions and manufacturer markings.	Type C Cert.	C999993.

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81	05 of 10	910.14a, b and e	POLES AND POSTS	JOBSITE or SUPPLIER	SIGN POSTS (STEEL).	Visually inspect for dimensions and workmanship.	Type B Cert.	C999992.
81	06 of 10	910.14c and d	POLES AND POSTS	JOBSITE or SUPPLIER	STRUCTURAL STEEL AND STRUCTURAL ALUMINUM.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
81	07 of 10	910.15	POLES AND POSTS	JOBSITE or SUPPLIER	DELINEATOR POSTS (METAL).	For less than or equal to 200 units, no sampling required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
81	08 of 10	910.15	POLES AND POSTS	JOBSITE or SUPPLIER	DELINEATOR POSTS (METAL) (TEMPORARY).	Visual.	Visual.	C999995.
81	09 of 10	910.15	POLES AND POSTS	JOBSITE or SUPPLIER	DELINEATOR POSTS (METAL).	For greater than 200 units, one 6 ft (2 m) for each 500 units per shipment. For P.O.'s, one sample for each 1000 units.	Seal Number or Test Results.	Seal Number or Sequence Number.
81	10 of 10	926	POLES AND POSTS	JOBSITE or SUPPLIER	DELINEATOR POSTS (PLASTIC).	Approved List(s).	Approval Number.	Approval Number.
82	01 of 01	910.19	OVERHEAD SIGN STRUCTURES	JOBSITE	ALUMINUM OR STEEL.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
83	01 of 01	920	HIGHWAY ILLUMINATION MATERIALS	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.

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84	01 of 04	919 (various subsections)	TRAFFIC SIGNS	JOBSITE	SHEET SIGNS, PANEL SIGNS, FLEXIBLE ROLL-UP PRISMATIC REFLECTIVE SIGNS, LETTERS, NUMERALS, SYMBOLS, AND ACCESSORIES.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
84	02 of 04	919.01b1	TRAFFIC SIGNS	JOBSITE	REFLECTIVE SHEETING.	Approved List(s).	Approval Number.	Approval Number.
84	03 of 04		TRAFFIC SIGNS	JOBSITE	FIBERGLASS REINFORCED PLASTIC SIGN PANELS.	Visually inspect for dimensions and workmanship.	Type B Cert.	C999992.
84	04 of 04		TRAFFIC SIGNS (TEMPORARY)	JOBSITE	ALL TYPES EXCEPT NON-GROUND MOUNTED SIGNS.	Visual.	Visual.	C999995.
85	01 of 02	801.04	CONSTRUCTION SIGNS	JOBSITE	NEW SIGNS.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
85	02 of 02	801.04	CONSTRUCTION SIGNS	JOBSITE	USED SIGNS.	Visually inspect for dimensions and workmanship.	Visual.	C999995.
86	01 of 01	923.03	CONSTRUCTION WARNING LIGHTS	JOBSITE	CHECK BRIGHTNESS.	Visual.	Visual.	C999995.
87	01 of 01	922.01 and 922.02	TRAFFIC SIGNAL EQUIPMENT	JOBSITE and LAB	TRAFFIC SIGNAL CONTROLLER, CABINET, AND INTERCONNECT EQUIPMENT, LED TRAFFIC SIGNAL MODULES, EXTERNAL TIME CLOCKS, VIDEO VEHICLE DETECTORS.	Approved List(s).	Approval Number.	Approval Number.

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88	01 of 01	922.04	TRAFFIC SIGNAL EQUIPMENT	JOBSITE	TRAFFIC SIGNAL COMPONENT MATERIALS AND EQUIPMENT.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
89	01 of 01	805.02	TRAFFIC SIGNAL CONCRETE HANDHOLE	SOURCE	Certified Precast Concrete Producers	Visual	Visual and verification of Approved Source.	C999996.
90	01 of 01	922.08 (References 910.05b)	TRAFFIC SIGNAL EQUIPMENT	JOBSITE	TRAFFIC SIGNAL HANDHOLE RING AND COVER.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
91	01 of 01	926.02a	ACRYLIC PLASTIC DELINEATORS	JOBSITE	N/A.	Approved List(s).	Approval Number.	Approval Number.
92	01 of 01	926.02b	REFLECTIVE SHEETING DELINEATOR	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
93	01 of 01	926.02c	BARRIER DELINEATOR	JOBSITE	N/A.	Approved List(s).	Approval Number.	Approval Number.
94	01 of 12	909.05	PAVEMENT MARKINGS	JOBSITE	TRAFFIC PAINT: For temporary markings.	Approved List(s) component(s).	Visual.	C999995.
94	02 of 12	909.05	PAVEMENT MARKINGS	JOBSITE	TRAFFIC PAINT: For permanent markings.	Approved List(s) component(s).	M Number.	M Number.

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94	03 of 12	921.02a and b	PAVEMENT MARKINGS	JOBSITE	THERMOPLASTIC AND PREFORMED PLASTIC.	Approved List(s) component(s).	Type C Cert.	C999993.
94	04 of 12	921.02a and b	PAVEMENT MARKINGS (TEMPORARY)	JOBSITE	THERMOPLASTIC AND PREFORMED PLASTIC.	Visual.	Visual.	C999995.
94	05 of 12	921.02c	PAVEMENT MARKINGS	JOBSITE	100 PERCENT SOLIDS EPOXY.	Approved List(s) component(s).	Type A Cert.	C999991.
94	06 of 12	921.02c	PAVEMENT MARKINGS (TEMPORARY)	JOBSITE	100 PERCENT SOLIDS EPOXY.	Visual.	Visual.	C999995.
94	07 of 12	923.01	PAVEMENT MARKINGS	JOBSITE and SOURCE	TEMPORARY PAVEMENT MARKING TAPE, TYPE I.	Approved List(s).	Approval Number.	Approval Number.
94	08 of 12	923.01	PAVEMENT MARKINGS	JOBSITE	TEMPORARY PAVEMENT MARKING TAPE, TYPE II.	Visual.	Visual.	C999995.
94	09 of 12	921.02e	PAVEMENT MARKINGS	POINT OF DELIVERY	GLASS SPHERES (BEADS).	For less than or equal to 100 lb (50 kg), no sample required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
94	10 of 12		PAVEMENT MARKINGS (TEMPORARY)	POINT OF DELIVERY	GLASS SPHERES (BEADS).	Visual.	Visual.	C999995.

<i>REF</i>	<i>SUB- REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
94	11 of 12	921.02e	PAVEMENT MARKINGS	POINT OF DELIVERY	GLASS SPHERES (BEADS). Bagged.	For greater than 100 lbs (50 kg), one sample (three 50 lb (25 kg) bags) for each lot or batch at each point of delivery.	M Number.	M Number.
94	12 of 12	921.02e	PAVEMENT MARKINGS	POINT OF DELIVERY	GLASS SPHERES (BEADS). Bulk.	One quart (1 L) from each of three randomly selected bulk containers.	M Number.	M Number.
95	01 of 01	921.02d	SNOW PLOWABLE RAISED MARKERS	JOBSITE	N/A.	Approved List(s). Visually inspect for dimensions and workmanship.	Approval Number and Certs: Prismatic reflect, Type B; Adhesive, Type B; Base, Type C.	Approval Number.
96	01 of 01	923.02	TEMP. RAISED PAVEMENT MARKERS	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Visual.	C999995.
97	01 of 01	923.04	FLASHING ARROW SIGN	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Visual.	C999995.
98	01 of 01	801.07	STANDARD BARRICADES	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Visual.	C999995.
99	01 of 01	910.02	STEEL STRUCTURES	JOBSITE or SOURCE	STRUCTURAL STEEL.	Visually inspect for dimensions and workmanship. Mill Test Report required.	Mill Test Report.	C999996.
100	01 of 02	910.02f	STEEL STRUCTURES	ANY LOCATION	HIGH STRENGTH BOLTS, NUTS, AND WASHERS.	Two bolts, two washers and two nuts from each heat number for each size.	Sequence Number and Other Type Cert.	Sequence Number.

<i>REF</i>	<i>SUB- REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
100	02 of 02	910.02f	STEEL STRUCTURES	ANY LOCATION	HIGH STRENGTH BOLTS. Torsion Control.	Visual.	Type A Cert.	C999991.
101	01 of 01	910.02g	STEEL STRUCTURES	JOBSITE	BOLTS OTHER THAN HIGH STRENGTH.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
102	01 of 03	910.03	PERMANENT METAL FORMS	JOBSITE or FABRICATOR	N/A.	PANEL: One series of field tests for each gauge, and type, per shipment.	Sequence Number.	Sequence Number.
102	02 of 03	910.03	PERMANENT METAL FORMS	JOBSITE or FABRICATOR	N/A.	ACCESSORIES: One series of field tests for each gauge, and type per shipment.	Sequence Number and Type C Cert.	Sequence Number and C999993.
102	03 of 03	910.03	PERMANENT METAL FORMS	JOBSITE or FABRICATOR	N/A.	CLIPS: One series of field tests per shipment.	Sequence Number and Type C Cert.	Sequence Number and C999993.
103	01 of 01	910.04	STEEL FORGINGS AND SHAFTINGS	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Mill Test Report.	C999996.
104	01 of 01	910.05a and b	CASTING (STEEL AND IRON)	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Certified Inspection Report.	C999994.
105	01 of 01	910.06a	BRONZE CASTINGS	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Type A Cert.	C999991.

<i>REF</i>	<i>SUB- REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
106	01 of 01		SHEET LEAD AND ZINC	JOBSITE	N/A.	Sample when directed.	Visual.	C999995.
107	01 of 01	711.33	STEEL STRUCTURES	JOBSITE	STUD SHEAR CONNECTORS.	Visually inspect for dimensions and workmanship.	Mill Test Report.	C999996.
108	01 of 01	908.11	STEEL PIPE	JOBSITE	N/A.	Visually inspect for dimensions and workmanship.	Type C Cert.	C999993.
109	01 of 01	901.06	SEALER HEALER (LATEX OVERLAYS)	JOBSITE	FOR SHRINKAGE CRACK REPAIR AS DIRECTED. One 1 qt (1 L) random verification sample required per year per manufacturer as directed.	Approved List(s).	Approval Number.	Approval Number.
110	01 of 03	213	FLOWABLE BACKFILL	JOBSITE	APPROVED MIX DESIGN.	Approved List(s) component(s). One flow consistency, one lightweight dynamic cone penetration test and one dry unit weight test.	N/A.	N/A.
110	02 of 03	213	FLOWABLE BACKFILL	JOBSITE	FIELD APPLICATION.	For less than or equal to 100 cyd (75 m³), no test required.	Minimum Quantity Options.	BFU Number for Minimum Quantity Options.
110	03 of 03	213	FLOWABLE BACKFILL	JOBSITE	FIELD APPLICATION.	For greater than 100 cyd (75m³), one flow consistency test per 100 cyd (75 m³). One yield test per 100 cyd if using continuous mixer.	Approved Mix Design.	Sequence Number.
111	01 of 01	216	CELLULAR CONCRETE FILL	JOBSITE	A lot is 300 cu yd placed	Four 3 in. by 6 in. cylinders per lot for compressive strength.	Test Results	Sequence Number

<i>REF</i>	<i>SUB- REF.</i>	<i>SPEC. REFERENCE</i>	<i>ITEM</i>	<i>JOB CONTROL LOCATION</i>	<i>JOB CONTROL NOTES</i>	<i>JOB CONTROL FREQUENCY</i>	<i>PE/PS BASIS FOR APPROVAL</i>	<i>MR BASIS FOR USE</i>
112	01 of 01	725.02	CELLULAR CONCRETE GROUT	JOBSITE	N/A	Four 3 in. by 6 in. cylinders for compressive strength for each 100 cyd	Test Results	Sequence Number
113	01 of 01	905.05	DETECTABLE WARNING ELEMENTS	JOBSITE	Visual inspection is required	Approved List(s).	Approval Number	Approval Number